

## STORMWATER MANAGEMENT PLAN (SWMP) FOR MINOR PROJECTS

The County of San Diego Watershed Protection, Storm Water Management, and Discharge Control Ordinance (WPO) (Ordinance No. 9589) requires all applications for a permit or approval associated with a Land Disturbance Activity must be accompanied by a Storm Water Management Plan (SWMP) (section 67.804.f). The purpose of the SWMP is to describe how the project will minimize the short and long-term impacts on receiving water quality.

The WPO does not set a minimum size or type of project requiring a SWMP. The following types of projects/permits are generally not significant contributors to pollution loading after construction is complete:

Construction Right of Way Permits, Encroachment Permits, Minor Excavation Permits, Variances, Boundary Adjustments, Minor Use Permits for Cellular Facilities, and Residential Tentative Parcel Maps.

As such, these projects may not require post construction Best Management Practices (BMPs) that require long-term maintenance. This form is to be submitted for these types of projects to fulfill the SWMP requirement of the WPO (section 67.804.f). It is a living document that can be modified at any time even after construction is complete. Changes to the SWMP are documented on the attached Addendum sheet.

**Please be aware that completion of this form does not remove the applicant's responsibility from addressing BMPs during construction. If it is determined during the review process that the project has the potential to significantly impact water quality after construction, then a more detailed SWMP will be required that addresses post-construction BMPs.**

*Please describe the proposed project.*

Project Name: SD06758B Del Dios Hwy. ROW

Permit Number: P06-072

Project Details: Installation of new 40' high utility pole with 2 antennas. Equipment to be placed in underground vault.

Project Location: San Diego - Rancho Santa Fe

Assessors Parcel No.: none - adjacent to parcel 678-021-03

Address: 8901 Del Dios Hwy, San Diego CA 92067

Hydrologic Unit\*: 905.00 San Dieguito

Hydrologic Subarea\*\*: 905.20 Hodges

Any previous stormwater action: Unknown

\* Hydrologic Unit and Area may be determined from the maps found at the following link:  
[http://www.projectcleanwater.org/html/ws\\_map.html](http://www.projectcleanwater.org/html/ws_map.html)

\*\* Hydrologic Subarea may be determined from the maps found at the following links:  
<http://www.stormwater.water-programs.com/Webctswpfinal/Indexfinal.htm>;  
[http://endeavor.des.ucdavis.edu/wqsid/wblist.asp?region\\_pkey=9](http://endeavor.des.ucdavis.edu/wqsid/wblist.asp?region_pkey=9)

**Unique Site Features:** (Check all that apply.)

- ☐ Project is in a river, creek, or lake.
- ☐ Directly discharges to a river, creek, or lake.
- ☐ Project is 200 feet from a river, creek, or lake.
- ☐ Runoff will directly discharge into a storm drain.
- ☒ There are no unique site features.

**Individual designated as stormwater protection contact for the permit.**

Name: Robert Medina / T-Mobile USA, Inc

Address: 6650 Lusk Blvd. Ste B208

City, State, ZIP: San Diego CA 92121

Phone Number: \_\_\_\_\_

Cellular Phone Number: 760-815-6669

Fax Number: 858-638-4177

**A. CONSTRUCTION PHASE**

**1. Potential Pollutant Sources During Construction:** (Check all that apply.)

- ☒ There will be soil-disturbing activities that will result in exposed soil areas. This includes minor grading and trenching.
- ☐ There will be asphalt paving including patching.
- ☒ There will be slurries from mortar mixing, coring, or PCC saw cutting and placement.
- ☒ There will be solid wastes from PCC demolition and removal, wall construction, or form work.
- ☒ There might be stockpiling (soil, compost, asphalt concrete, solid waste) for over 24 hours.
- ☐ There will be dewatering operations.
- ☒ There will be temporary on-site storage of construction materials, including mortar mix, raw landscaping and soil stabilization materials, treated lumber, rebar, and plated metal fencing materials.
- ☒ There might be trash generated from the project.
- ☐ This project will involve activities that are not considered to generate pollutants. Includes placement of temporary signs (i.e. elections, events).

**2. List the construction BMPs that may be used: (Check all that apply.)**

The BMPs selected are those that will be implemented during construction of the project. The applicant is responsible for the placement and maintenance of the BMPs selected. Attach descriptions of the BMPs and their application (available at the DPW counter) as Attachment A.

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Silt Fence  | <input type="checkbox"/> Desilting Basin                          |
| <input checked="" type="checkbox"/> Fiber Rolls   | <input type="checkbox"/> Gravel Bag Berm                          |
| <input type="checkbox"/> Street Sweeping and Vacuuming  | <input checked="" type="checkbox"/> Sandbag Barrier               |
| <input type="checkbox"/> Storm Drain Inlet Protection   | <input checked="" type="checkbox"/> Material Delivery and Storage |
| <input checked="" type="checkbox"/> Stockpile Management  | <input type="checkbox"/> Spill Prevention and Control             |
| <input checked="" type="checkbox"/> Solid Waste Management  | <input checked="" type="checkbox"/> Concrete Waste Management     |
| <input type="checkbox"/> Stabilized Construction Entrance/Exit  | <input type="checkbox"/> Water Conservation Practices             |
| <input type="checkbox"/> Dewatering Operations  | <input type="checkbox"/> Paving and Grinding Operations           |
| <input type="checkbox"/> Vehicle and Equipment Maintenance  |   |
| <input type="checkbox"/> Any minor slopes created incidental to construction and not subject to a major or minor grading permit shall be protected by covering with plastic or tarp prior to a rain event, and shall have vegetative cover reestablished within 180 days of completion of the slope and prior to final building approval. |   |
| <input type="checkbox"/> No BMPs needed. Activities are not considered to generate pollutants.  |   |

**B. POST-CONSTRUCTION PHASE**

**ATTENTION: THIS PROJECT MAY BE EXEMPT FROM POST CONSTRUCTION BMP REQUIREMENTS IF ONE OR MORE OF THE FOLLOWING THREE STATEMENTS APPLY.**  
(Check all that apply.)

- ☐ My project is not located within the County Urban Area as defined by the map that is in Appendix B of the County Watershed Protection, Stormwater Management and Discharge Control Ordinance (map on file with the Clerk of the Board as document number 0768626), AND my project will not route stormwater run-off into or through an underground conveyance other than a road-crossing culvert. I have attached project plans that show the location of this project, and that demonstrate that stormwater run-off will be carried above ground only, except at road crossings.

**IF YOU CHECKED OFF THE STATEMENT ABOVE, SKIP TO ITEM D. OTHERWISE COMPLETE ALL REMAINING SECTIONS.**

- ☐ My project is physically complete or substantially complete, and the prior work on the project has all been done pursuant to or as required by a valid County permit or approval. The permit or approval I am seeking is not related to the construction of any stormwater management device, and will not be followed by any additional construction that will increase the impervious surface of this project or change the post-construction uses of the project area. I have attached photographs showing the current state of construction in the areas of the project to which this application for a permit or approval applies.

- ☒ My project has no potential to add pollutants to stormwater after construction is complete, AND will not affect the flow rate or velocity of stormwater run off after construction is complete. I have attached project plans that demonstrate that the project will not significantly increase impervious surfaces in the project area and will not add any impervious surfaces that are directly connected to the stormwater conveyance system. These plans also show the anticipated post-construction use of the project area. I understand that this application will not be exempt from the requirement to submit a post-construction stormwater management plan if County staff conclude that these post-construction uses of the project area have the potential to add pollutants to stormwater after construction is complete. I acknowledge that at such time that staff makes this determination, I shall be notified and required to submit the appropriate post-construction SWMP.

List the post-construction BMPs that will be used: (Check all that apply.)

- ☐ There will be permanent landscaping as part of this project. The property owner will maintain the landscaping.
- ☒ Asphalt concrete will be placed over the disturbed areas designated as roadway or parking lots.
- ☐ PCC will be placed over the disturbed areas designated as either roadway, parking lots or building pads.
- ☐ Rock slope protection will be placed along channel banks.
- ☐ Outlet Protection/velocity dissipation devices will be placed at storm drain outfalls to reduce the velocity of the flow.
- ☐ This project will result in a reduction of the amount of asphalt concrete or PCC within the project.
- ☐ Either asphalt concrete, PCC or porous pavement will be placed over a dirt driveway.

**C. MINISTERIAL PERMITS** (Per Part G.8 of Ordinance No. 9426)

Please complete this section C if the proposed project is a discretionary permit subject to future ministerial permits, be aware that additional requirements may have to be fulfilled in order to satisfy the requirements of the WPO.

Provide information for the following steps to determine the impervious area for this project:

- A. Total size of construction area 230sf (Acres or ft<sup>2</sup> whichever is appropriate.)
- B. Total impervious area (including roof tops) before construction 0 (Acres or ft<sup>2</sup>)
- C. Total impervious area (including roof tops) after construction 18 (Acres or ft<sup>2</sup>)
- Percent impervious before construction: B/A = 0 %
- Percent impervious after construction: C/A = 7.8 %
- ☐ For proposals that increase impervious surface, a detailed drawing showing drainage from these surfaces being directed to flat vegetated areas not less than 15 feet wide in the

- New walkways, trails, and alleys and other low-traffic areas shall be constructed with permeable surfaces, such as pervious concrete, porous asphalt, unit pavers, or granular materials that allow infiltration.

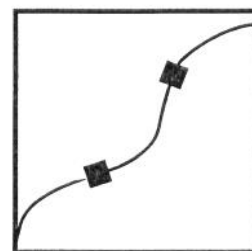
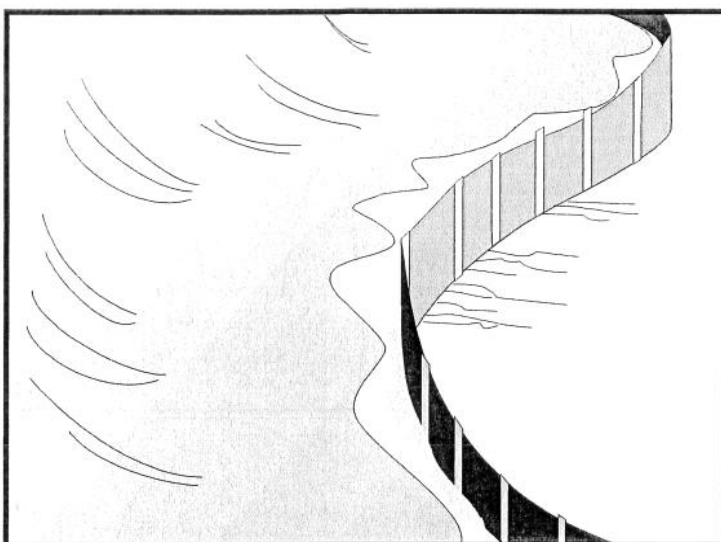
#### D. ATTACHMENTS

- ## APPLICANT'S CERTIFICATION OF SWMP

Signature Karen Adler, Agent Date 5-16-06

Karen Adler, Agent  
Name and Title

760-715-3416  
Telephone Number



## BMP Objectives

- Soil Stabilization
- Sediment Control
- Tracking Control
- Wind Erosion Control
- Non-Storm Water Management
- Materials and Waste Management

**Definition and Purpose** A silt fence is a temporary linear sediment barrier of permeable fabric designed to intercept and slow the flow of sediment-laden sheet flow runoff. Silt fences allow sediment to settle from runoff before water leaves the construction site.

**Appropriate Applications** Silt fences are placed:

- • Below the toe of exposed and erodible slopes.
- • Down-slope of exposed soil areas.
- • Around temporary stockpiles.
- • Along streams and channels.

**Limitations**

- • Not effective unless trenched and keyed in.
- • Not intended for use as mid-slope protection on slopes greater than 1:4 (V:H)
- • Must be maintained.
- • Must be removed and disposed of.

**Standards and Specifications** *General*

- • Don't use below slopes subject to creep, slumping, or landslides.
- • Don't use in streams, channels, or anywhere flow is concentrated.
- • Don't use silt fences to divert flow.



## *Design and Layout*

- • The maximum length of slope draining to any point along the silt fence shall be 61 m (200 ft) or less.
- • Slope of area draining to fence shall be less than 1:1 (V:H).
- • Limit to locations suitable for temporary ponding or deposition of sediment.
- • Fabric life span generally limited to between five and eight months. Longer periods may require fabric replacement.
- • Silt fences shall not be used in concentrated flow areas.
- • Lay out in accordance with Page 5 of this BMP.
- • For slopes steeper than 1:2 (V:H) and that contain a high number of rocks or large dirt clods that tend to dislodge, it may be necessary to install additional protection immediately adjacent to the bottom of the slope, prior to installing silt fence. Additional protection may be a chain link fence or a cable fence.
- • For slopes adjacent to water bodies or Environmentally Sensitive Areas (ESAs), additional temporary soil stabilization BMPs shall be used.

## *Materials*

- • Silt fence fabric shall be woven polypropylene with a minimum width of 900 mm and a minimum tensile strength of 0.45-kN. The fabric shall conform to the requirements in ASTM designation D4632 and shall have an integral reinforcement layer. The reinforcement layer shall be a polypropylene, or equivalent, net provided by the manufacturer. The permittivity of the fabric shall be between  $0.1 \text{ sec}^{-1}$  and  $0.15 \text{ sec}^{-1}$  in conformance with the requirements in ASTM designation D4491.
- • Wood stakes shall be commercial quality lumber of the size and shape shown on the plans. Each stake shall be free from decay, splits or cracks longer than the thickness of the stake or other defects that would weaken the stakes and cause the stakes to be structurally unsuitable.
- • Staples used to fasten the fence fabric to the stakes shall be not less than 45 mm long and shall be fabricated from 1.57 mm or heavier wire. The wire used to fasten the tops of the stakes together when joining 2 sections of fence shall be 3.05 mm or heavier wire. Galvanizing of the fastening wire will not be required.

## *Installation*

- • Generally, silt fences shall be used in conjunction with soil stabilization source controls up slope to provide effective control.
- • Trenches shall not be excavated wider and deeper than necessary for proper installation of the temporary linear sediment barriers.
- • Excavation of the trenches shall be performed immediately before installation of the temporary linear sediment barriers.
- • Construct silt fences with a set-back of at least 1m from the toe of a slope. Where a silt fence is determined to be not practicable due to specific site conditions, the silt fence may be constructed at the toe of the slope, but shall be constructed as far from the toe of the slope as practicable.
- • Construct the length of each reach so that the change in base elevation along the reach does not exceed 1/3 the height of the barrier; in no case shall the reach exceed 150 meters.
- • Cross barriers shall be a minimum of 1/3 and a maximum of 1/2 the height of the linear barrier.
- • Bottom of the silt fence shall be keyed-in.
- • Install in accordance with Page 5 of this BMP.

## Maintenance and Inspection

- • Repair undercut silt fences.
- • Repair or replace split, torn, slumping, or weathered fabric.
- • Inspect silt fence when rain is forecast. Perform necessary maintenance, or maintenance required by the Resident Engineer (RE).
- • Inspect silt fence following rainfall events. Perform maintenance as necessary, or as required by the RE.
- • Maintain silt fences to provide an adequate sediment holding capacity. Sediment shall be removed when the sediment accumulation reaches one-third (1/3) of the barrier height. Removed sediment shall be incorporated in the project at locations designated by the RE or disposed of outside the highway right-of-way in conformance with the Standard Specifications.
- • Silt fences that are damaged and become unsuitable for the intended purpose, as determined by the RE, shall be removed from the site of work, disposed of outside the highway right-of-way in conformance with the Standard Specifications, and replaced with new silt fence barriers.



- • Holes, depressions or other ground disturbance caused by the removal of the temporary silt fences shall be backfilled and repaired in conformance with the Standard Specifications.
- • Remove silt fence when no longer needed or as required by the RE. Fill and compact post holes and anchorage trench, remove sediment accumulation, and grade fence alignment to blend with adjacent ground.

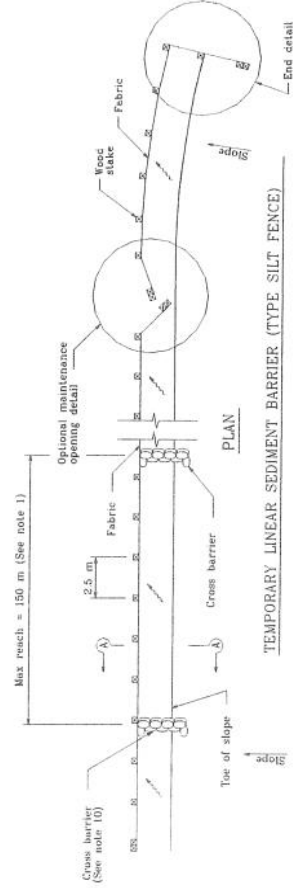
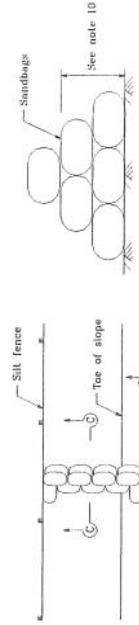
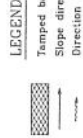
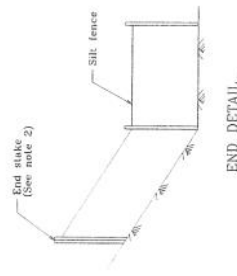
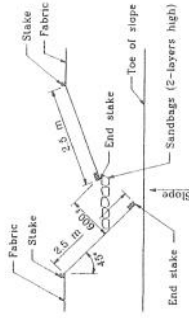
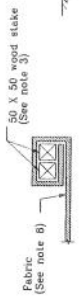
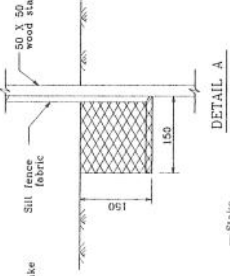
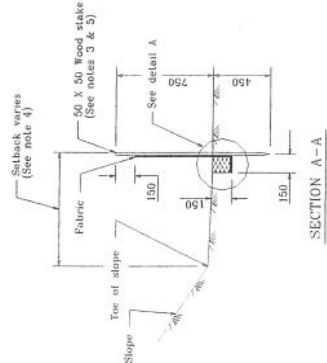
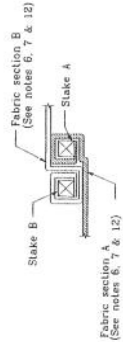
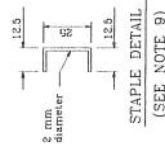
# Silt Fence

**SC-1**



## NOTES

1. Construct the length of each reach so that the change in base elevation is not more than 10% of the height of the linear barrier. In no case shall the reach length exceed 150m.
2. The last 2.5 m of fence shall be turned up slope.
3. Stake dimensions are nominal.
4. Dimension may vary to fit field condition.
5. Stakes shall be spaced at 2.5 m maximum and shall be positioned on downstream side of fence.
6. Stakes to overlap and fence fabric to fold around each stake one full turn. Secure fabric to stake with 4 staples.
7. Stakes shall be driven tightly together to prevent potential flow-through of sediment at joint. The tops of the stakes shall be secured with wire.
8. For end stake, fence fabric shall be folded around two stakes one full turn and secured with 4 staples.
9. Minimum 4 staples per stake. Dimensions shown are typical.
10. Cross barriers shall be a minimum of 1/3 and a maximum of 1/2 the height of the linear barrier.
11. Maintenance openings shall be constructed in a manner to ensure sediment remains behind silt fence.
12. Joining sections shall not be placed at sump locations.
13. Sandbag rows and layers shall be offset to eliminate gaps.



## SECTION C-C

## CROSS BARRIER DETAIL

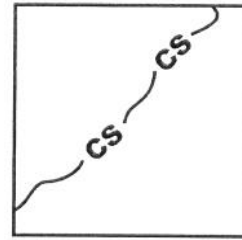
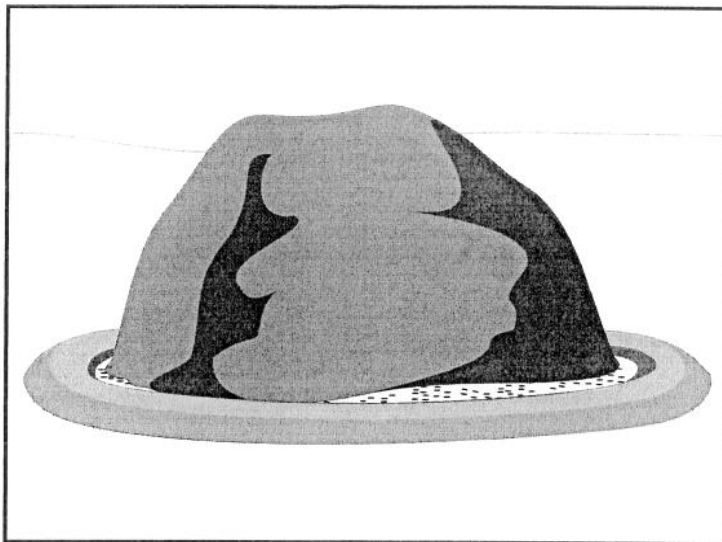
STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
TEMPORARY LINEAR SEDIMENT BARRIER  
(TYPE SILT FENCE)

NO SCALE  
ALL DIMENSIONS ARE IN  
MILLIMETERS UNLESS OTHERWISE SHOWN



# Stockpile Management

**WM-3**



## BMP Objectives

- Soil Stabilization
- Sediment Control
- Tracking Control
- Wind Erosion Control
- Non-Storm Water Management
- Materials and Waste Management

<b>Definition and Purpose</b>	Procedures and practices to reduce or eliminate pollution of storm water from stockpiles of soil, and paving materials such as portland cement concrete (PCC) rubble, asphalt concrete (AC), asphalt concrete rubble, aggregate base, aggregate subbase or pre-mixed aggregate and asphalt minder (so called "cold mix" asphalt).
<b>Appropriate Applications</b>	Implemented in all projects that stockpile soil and paving materials.
<b>Limitations</b>	None identified
<b>Standards and Specifications</b>	<ul style="list-style-type: none"><li>• • Protection of stockpiles is a year-round requirement.</li><li>• • Locate stockpiles away from concentrated flows of storm water, drainage courses, and inlets.</li><li>• • Protect all stockpiles from storm water run-on using a temporary perimeter sediment barrier such as berms, dikes, silt fences or sandbag barriers.</li><li>• • Implement wind erosion control practices as appropriate on all stockpiled material. For specific information see BMP WE-1, "Wind Erosion Control."</li><li>• • Stockpiles of contaminated soil shall be managed in accordance with BMP WM-7 "Contaminated Soil Management".</li><li>• • Bagged materials should be placed on pallets and under cover.</li></ul>



## *Protection of Non-Active Stockpiles*

Non-active stockpiles of the identified materials shall be protected further as follows:

- • *Soil stockpiles:*

- During the rainy season, soil stockpiles shall be covered or protected with soil stabilization measures and a temporary perimeter sediment barrier at all times.
- During the non-rainy season, soil stockpiles shall be covered or protected with a temporary perimeter sediment barrier prior to the onset of precipitation.

- • *Stockpiles of portland cement concrete rubble, asphalt concrete, asphalt concrete rubble, aggregate base, or aggregate subbase:*

- During the rainy season, the stockpiles shall be covered or protected with a temporary perimeter sediment barrier at all times.
- During the non-rainy season, the stockpiles shall be covered or protected with a temporary perimeter sediment barrier prior to the onset of precipitation.

- • *Stockpiles of "cold mix":*

- During the rainy season, cold mix stockpiles shall be placed on and covered with plastic or comparable material at all times.
- During the non-rainy season, cold mix stockpiles shall be placed on and covered with plastic or comparable material prior to the onset of precipitation.

## *Protection of Active Stockpiles*

Active stockpiles of the identified materials shall be protected further as follows:

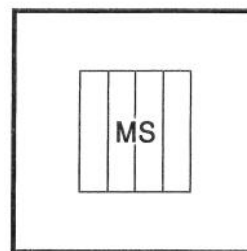
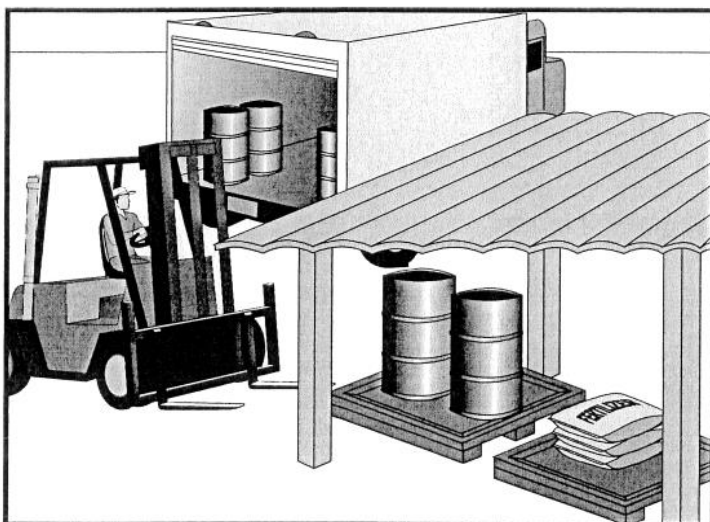
- • All stockpiles shall be protected with a temporary linear sediment barrier prior to the onset of precipitation.
- • Stockpiles of "cold mix" shall be placed on and covered with plastic or comparable material prior to the onset of precipitation.
- • Repair and/or replace perimeter controls and covers as needed, or as directed by the RE, to keep them functioning properly.

Maintenance and  
Inspections



# Material Delivery and Storage

**WM-1**



## BMP Objectives

- Soil Stabilization
- Sediment Control
- Tracking Control
- Wind Erosion Control
- Non-Storm Water Management
- Materials and Waste Management

**Definition and Purpose** Procedures and practices for the proper handling and storage of materials in a manner that minimizes or eliminates the discharge of these materials to the storm drain system or to watercourses.

**Appropriate Applications** These procedures are implemented at all construction sites with delivery and storage of the following:

- • Soil
- • Pesticides and herbicides
- • Fertilizers
- • Detergents
- • Plaster
- • Petroleum products such as fuel, oil, and grease
- • Asphalt and concrete components
- • Hazardous chemicals such as acids, lime, glues, adhesives, paints, solvents, and curing compounds
- • Concrete compounds
- • Other materials that may be detrimental if released to the environment

**Limitations**

- • Space limitation may preclude indoor storage.
- • Storage sheds must meet building & fire code requirements.



## Standards and Specifications

### *General*

- • Train employees and subcontractors on the proper material delivery and storage practices.
- • Temporary storage area shall be located away from vehicular traffic.
- • Material Safety Data Sheets (MSDS) shall be supplied to the Resident Engineer (RE) for all materials stored.

### *Material Storage Areas and Practices*

Liquids, petroleum products, and substances listed in 40 CFR Parts 110, 117, or 302 shall be handled in conformance with the following provisions:

- • Storage, preparation, and mixing shall be accomplished in temporary containment facilities. Each temporary containment facility shall provide a spill containment volume equal to 1.5 times the volume of all containers therein and shall be impervious to the materials contained therein for a minimum contact time of 72 hours.
- • Sufficient separation shall be provided between stored containers to allow for spill cleanup and emergency response access.
- • Incompatible materials, such as chlorine and ammonia, shall not be stored in the same temporary containment facility.
- • To provide protection from wind and rain, throughout the rainy season, temporary containment facilities shall be covered during non-working days and prior to rain events.
- • Temporary containment facilities shall be maintained free of accumulated rainwater and spills.
- • Materials shall be stored in their original containers and the original product labels shall be maintained in place in a legible condition. Damaged or otherwise illegible labels shall be replaced immediately.
- • Liquid materials, petroleum products, and substances listed in 40 CFR Parts 110, 117 or 302 shall be stored in approved containers and drums shall not be overfilled. Containers shall be placed in temporary containment facilities for storage.
- • Bagged and boxed materials shall be stored on pallets and shall not be allowed to accumulate on the ground. To provide protection from wind and rain, throughout the rainy season, bagged and boxed materials shall be covered during non-working days and prior to rain events.



- • Stockpiles shall be protected in accordance with BMP WM-3, "Stockpile Management".
- • Minimize the material inventory stored on-site (e.g., only a few days supply).
- • Store materials indoors within existing structures or sheds when available.
- • Have proper storage instructions posted at all times in an open and conspicuous location.
- • Do not store hazardous chemicals, drums, or bagged materials directly on the ground. Place these items on a pallet and when possible, under cover in secondary containment.
- • Keep hazardous chemicals well labeled and in their original containers.
- • Keep ample supply of appropriate spill clean up material near storage areas.
- • Also see BMP WM-6, "Hazardous Waste Management", for storing of hazardous materials.

## ***Material Delivery Practices***

- • Keep an accurate, up-to-date inventory of material delivered and stored on-site.
- • Employees trained in emergency spill clean-up procedures shall be present when dangerous materials or liquid chemicals are unloaded.

## ***Spill Clean-up***

- • Contain and clean up any spill immediately.
- • If significant residual materials remain on the ground after construction is complete, properly remove and dispose any hazardous materials or contaminated soil.
- • See BMP WM-4, "Spill Prevention and Control", for spills of chemicals and/or hazardous materials.

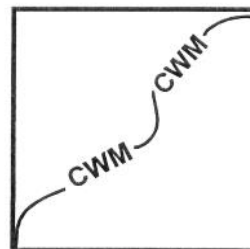
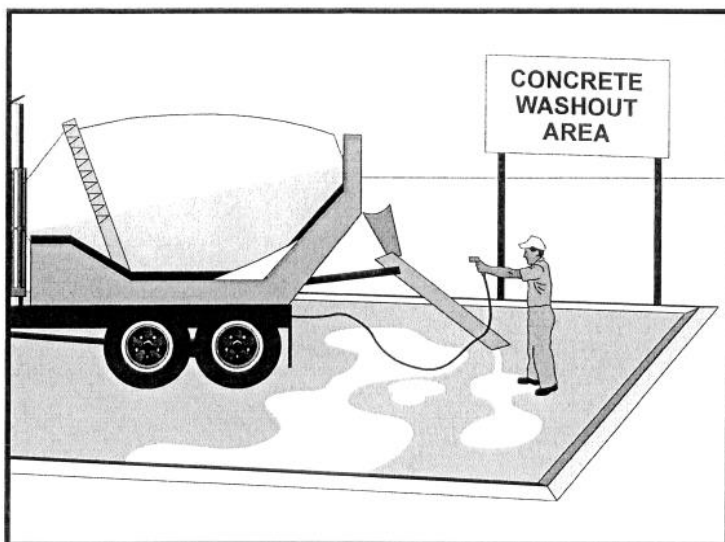
## **Maintenance and Inspection**

- • Storage areas shall be kept clean, well organized, and equipped with ample clean-up supplies as appropriate for the materials being stored.
- • Perimeter controls, containment structures, covers, and liners shall be repaired or replaced as needed to maintain proper function.
- • Inspect storage areas before and after rainfall events, and at least weekly during other times.



# Concrete Waste Management

**WM-8**



## BMP Objectives

- Soil Stabilization
- Sediment Control
- Tracking Control
- Wind Erosion Control
- Non-Storm Water Management
- Materials and Waste Management

**Definition and Purpose** These are procedures and practices that are implemented to minimize or eliminate the discharge of concrete waste materials to the storm drain system or to watercourses.

## Appropriate Applications

- • Concrete waste management practices are implemented on construction projects where concrete is used as a construction material or where concrete dust and debris result from demolition activities.
- • Where slurries containing portland cement concrete (PCC) or asphalt concrete (AC) are generated, such as from sawcutting, coring, grinding, grooving, and hydro-concrete demolition.
- • Where concrete trucks and other concrete-coated equipment are washed on site, when approved by the Resident Engineer (RE). See also NS-8, Vehicle and Equipment Cleaning.
- • Where mortar-mixing stations exist.

**Limitations** None identified.

## Standards and Specifications

### Education

- • Educate employees, subcontractors, and suppliers on the concrete waste management techniques described herein.
- • The Contractor's Water Pollution Control Manager (WPCM) shall oversee and enforce concrete waste management procedures.



## *Concrete Slurry Wastes*

- • PCC and AC waste shall not be allowed to enter storm drains or watercourses.
- • PCC and AC waste shall be collected and disposed of outside the highway right-of-way in conformance with section 7-1.13 of Standard Specifications or placed in a temporary concrete washout facility.
- • Disposal of hardened PCC and AC waste shall be in conformance with Section 15-3.02 of the Standard Specifications.
- • A sign shall be installed adjacent to each temporary concrete washout facility to inform concrete equipment operators to utilize the proper facilities.
- • Below grade concrete washout facilities are typical. Above grade facilities are used if excavation is not practical.
- • Do not allow slurry residue from wet coring or saw-cutting AC or PCC to enter storm drains or receiving waters by:
  - Placing temporary berms or sandbags around coring or saw-cutting locations to capture and contain slurry runoff.
  - Placing straw bales, sandbags, or gravel dams around inlets to prevent slurry from entering storm drains.
- • Vacuum slurry residue and dispose in a temporary pit (as described in *On-Site Temporary Concrete Washout Facility, Concrete Transit Truck Washout Procedures*, below) and allow slurry to dry. Dispose of dry slurry residue in accordance with BMP WM-5, "Solid Waste Management", or, for on-site disposal, in accordance with Standard Specification 15-3.02, Removal Methods.
- • Collect residue from grooving and grinding operations in accordance with Standard Specifications Section 42-1.02 and 42-2.02, "Construction."

## *On-site Temporary Concrete Washout Facility, Transit Truck Washout Procedures*

- • Temporary concrete washout facilities shall be located a minimum of 15 m (50 ft) from storm drain inlets, open drainage facilities, and watercourses, unless determined unfeasible by the RE. Each facility shall be located away from construction traffic or access areas to prevent disturbance or tracking.
- • A sign shall be installed adjacent to each washout facility to inform concrete equipment operators to utilize the proper facilities. The sign shall be

installed as shown on the plans and in conformance with the provisions in Section 56-2, "Roadside Signs", of the Standard Specifications.

- • Temporary concrete washout facilities shall be constructed above grade or below grade at the option of the Contractor. Temporary concrete washout facilities shall be constructed and maintained in sufficient quantity and size to contain all liquid and concrete waste generated by washout operations.
- • Temporary washout facilities shall have a temporary pit or bermed areas of sufficient volume to completely contain all liquid and waste concrete materials generated during washout procedures.
- • Perform washout of concrete trucks in designated areas only.
- • Once concrete wastes are washed into the designated area and allowed to harden, the concrete shall be broken up, removed, and disposed of per BMP WM-5, "Solid Waste Management", and in conformance with the provisions in Section 15-3.02, "Removal Methods", of the Standard Specifications. Dispose of hardened concrete on a regular basis.
- • *Temporary Concrete Washout Facility (Type Above Grade)*
  - Temporary concrete washout facility (type above grade) shall be constructed as shown on the plans, with a recommended minimum length and minimum width of 3m, but with sufficient quantity and volume to contain all liquid and concrete waste generated by washout operations. The length and width of a facility may be increased, at the Contractor's expense, upon approval of the RE.
  - Straw bales, wood stakes, and sandbag materials shall conform to the provisions in BMP SC-9, "Straw Bale Barrier".
  - Plastic lining material shall be a minimum of 60 mil polyethylene sheeting and shall be free of holes, tears or other defects that compromise the impermeability of the material.
  - Portable delineators shall conform to the provisions in Section 12-3.04, "Portable Delineators", of the Standard Specifications. The delineator bases shall be cemented to the pavement in the same manner as provided for cementing pavement markers to pavement in Section 85-1.06, "Placement", of the Standard Specifications. Portable delineators shall be applied only to a clean, dry surface.
- • *Temporary Concrete Washout Facility (Type Below Grade)*
  - Temporary concrete washout facility (type below grade) shall be constructed as shown on the plans, with a recommended minimum

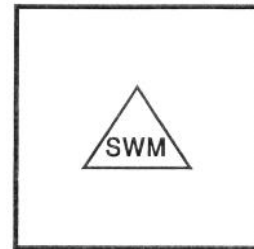
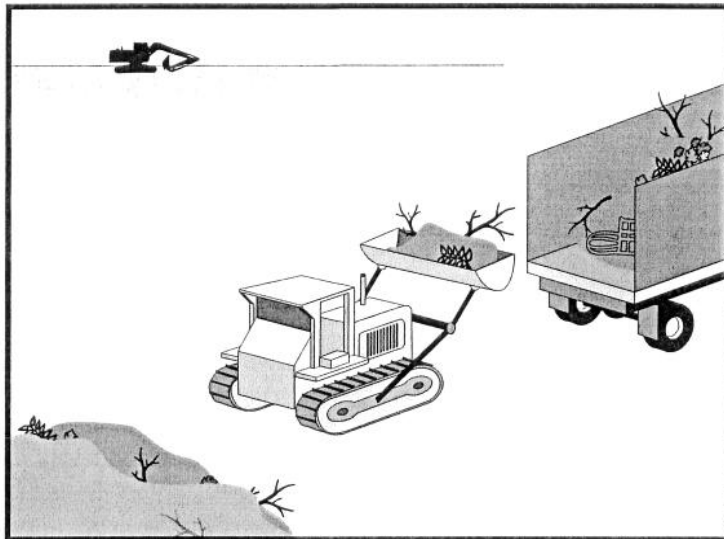
length and minimum width of 3m (10 ft). The quantity and volume shall be sufficient to contain all liquid and concrete waste generated by washout operations. The length and width of a facility may be increased, at the Contractor's expense, upon approval of the RE. Lath and flagging shall be commercial type.

## *Removal of Temporary Concrete Washout Facilities*

- • When temporary concrete washout facilities are no longer required for the work, as determined by the RE, the hardened concrete shall be removed and disposed of in conformance with the provisions in Section 15-3.02 of the Standard Specifications. Materials used to construct temporary concrete washout facilities shall become the property of the Contractor, shall be removed from the site of the work, and shall be disposed of outside the highway right-of-way in conformance with the provisions in Section 7-1.13 of the Standard Specifications.
- • Holes, depressions or other ground disturbance caused by the removal of the temporary concrete washout facilities shall be backfilled and repaired in conformance with the provisions in Section 15-1.02, "Preservation of Property," of the Standard Specifications.
- • The Contractor's Water Pollution Control Manager (WPCM) shall monitor on site concrete waste storage and disposal procedures at least weekly.
- • The WPCM shall monitor concrete working tasks, such as saw cutting, coring, grinding and grooving at least weekly to ensure proper methods are employed.
- • Temporary concrete washout facilities shall be maintained to provide adequate holding capacity with a minimum freeboard of 100mm for above grade facilities and 300mm for below grade facilities. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and returning the facilities to a functional condition. Hardened concrete materials shall be removed and disposed of in conformance with the provisions in Section 15-3.02, "Removal Methods," of the Standard Specifications.
- • Existing facilities must be cleaned, or new facilities must be constructed and ready for use once the washout is 75% full.

## Maintenance and Inspection





### BMP Objectives

- Soil Stabilization
- Sediment Control
- Tracking Control
- Wind Erosion Control
- Non-Storm Water Management
- Materials and Waste Management

**Definition and Purpose** These are procedures and practices to minimize or eliminate the discharge of pollutants to the drainage system or to watercourses as a result of the creation, stockpiling, and removal of construction site wastes.

**Appropriate Applications** Solid waste management practices are implemented on all construction projects that generate solid wastes.

Solid wastes include but are not limited to:

- • Construction wastes including brick, mortar, timber, steel and metal scraps, pipe and electrical cuttings, non-hazardous equipment parts, styrofoam and other materials used to transport and package construction materials.
- • Highway planting wastes, including vegetative material, plant containers, and packaging materials.
- • Litter, including food containers, beverage cans, coffee cups, paper bags, plastic wrappers, and smoking materials, including litter generated by the public.

**Limitations** Temporary stockpiling of certain construction wastes may not necessitate stringent drainage related controls during the non-rainy season or in desert areas with low rainfall.

**Standards and Specifications** *Education*

- • The Contractor's Water Pollution Control Manager (WPCM) shall oversee and enforce proper solid waste procedures and practices.



- • Instruct employees and subcontractors on identification of solid waste and hazardous waste.
- • Educate employees and subcontractors on solid waste storage and disposal procedures.
- • Hold regular meetings to discuss and reinforce disposal procedures (incorporate into regular safety meetings).
- • Require that employees and subcontractors follow solid waste handling and storage procedures.
- • Prohibit littering by employees, subcontractors, and visitors.
- • Wherever possible, minimize production of solid waste materials.

## *Collection, Storage, and Disposal*

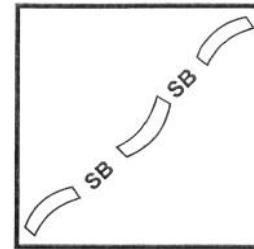
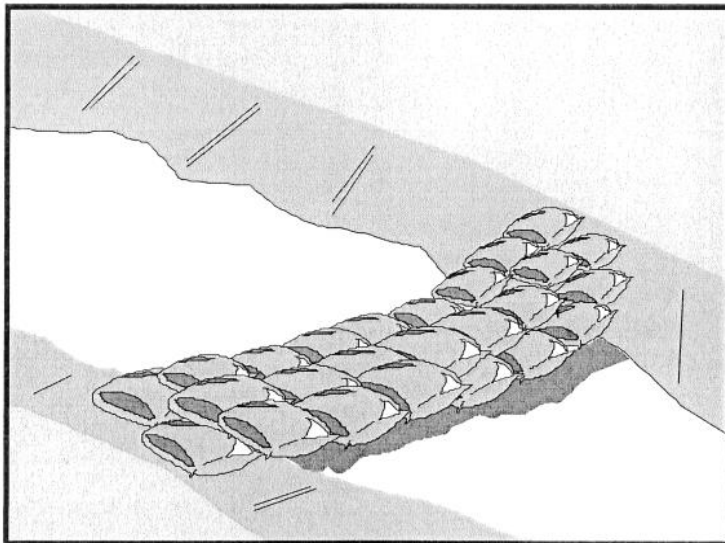
- • Littering on the project site shall be prohibited.
- • To prevent clogging of the storm drainage system litter and debris removal from drainage grates, trash racks, and ditch lines shall be a priority.
- • Trash receptacles shall be provided in the Contractor's yard, field trailer areas, and at locations where workers congregate for lunch and break periods.
- • Litter from work areas within the construction limits of the project site shall be collected and placed in water tight dumpsters at least weekly regardless of whether the litter was generated by the Contractor, the public, or others. Collected litter and debris shall not be placed in or next to drain inlets, storm water drainage systems or watercourses.
- • Dumpsters of sufficient size and number shall be provided to contain the solid waste generated by the project.
- • Full dumpsters shall be removed from the project site and the contents shall be disposed of outside the highway right of way in conformance with the provisions in Section 7-1.13 of the Standard Specifications.
- • Litter stored in collection areas and containers shall be handled and disposed of by trash hauling contractors.
- • Materials that are disposed of or temporarily stockpiled outside the highway right-of-way but are visible from the Highway, shall be in a neat and orderly fashion to the satisfaction of the Resident Engineer (RE).
- • Storm water run-on shall be prevented from contacting stored solid waste through the use of berms, dikes, or other temporary diversion structures or

through the use of measures to elevate waste from site surfaces.

- • Solid waste storage areas shall be located at least 15m from drainage facilities and watercourses and shall not be located in areas prone to flooding or ponding.
  - • Except during fair weather, construction and highway planting waste not stored in watertight dumpsters shall be protected from wind and rain by securely covering the waste with tarps or plastic sheeting or protected in conformance with the applicable Disturbed Soil Area protection.
  - • Dumpster washout on the project site is not allowed.
  - • Notify trash hauling contractors that only watertight dumpsters are acceptable for use on-site.
  - • Plan for additional containers during the demolition phase of construction.
  - • Plan for more frequent pickup during the demolition phase of construction.
  - • Designate on-site waste storage areas and obtain approval of the RE.
  - • Segregate potentially hazardous waste from non-hazardous construction site waste.
  - • Make sure that toxic liquid wastes (used oils, solvents, and paints) and chemicals (acids, pesticides, additives, curing compounds) are not disposed of in dumpsters designated for construction debris.
  - • Dispose of non-hazardous waste in accordance with Standard Specification 7-1.13, Disposal of Material Outside the Highway right-of-way.
  - • For disposal of hazardous waste, see BMP WM-6, "Hazardous Waste Management". Have hazardous waste hauled to an appropriate disposal and/or recycling facility.
  - • Salvage or recycle useful vegetation debris, packaging and/or surplus building materials when practical. For example, trees and shrubs from land clearing can be used as a brush barrier, or converted into wood chips, then used as mulch on graded areas. Wood pallets, cardboard boxes, and construction scraps can also be recycled.
- Maintenance and Inspection
- • The WPCM shall monitor on-site solid waste storage and disposal procedures.
  - • Police site for litter and debris.

# Sandbag Barrier

**SC-8**



## BMP Objectives

- ☐ Soil Stabilization
- ☒ Sediment Control
- ☐ Tracking Control
- ☐ Wind Erosion Control
- ☐ Non-Storm Water Management
- ☐ Materials and Waste Management

## Definition and Purpose

A sandbag barrier is a temporary linear sediment barrier consisting of stacked sandbags, designed to intercept and slow the flow of sediment-laden sheet flow runoff. Sandbag barriers allow sediment to settle from runoff before water leaves the construction site. Sandbags can also be used where flows are moderately concentrated, such as ditches, swales, and storm drain inlets (see BMP SC-10, Storm Drain Inlet Protection) to divert and/or detain flows.

## Appropriate Applications

- Along the perimeter of a site.
- Along streams and channels.
- Below the toe of exposed and erodible slopes.
- Down slope of exposed soil areas.
- Around stockpiles.
- Across channels to serve as a barrier for utility trenches or provide a temporary channel crossing for construction equipment, to reduce stream impacts.
- Parallel to a roadway to keep sediment off paved areas.
- At the top of slopes to divert roadway runoff away from disturbed slopes.
- To divert or direct flow or create a temporary sediment basin.
- During construction activities in stream beds when the contributing drainage area is less than 2 ha (5 ac).



- When extended construction period limits the use of either silt fences or straw bale barriers.
- Along the perimeter of vehicle and equipment fueling and maintenance areas or chemical storage areas.
- To capture and detain non-storm water flows until proper cleaning operations occur.
- When site conditions or construction sequencing require adjustments or relocation of the barrier to meet changing field conditions and needs during construction.
- To temporarily close or continue broken, damaged or incomplete curbs.
- This BMP may be implemented on a project-by-project basis in addition to other BMPs when determined necessary and feasible by the Resident Engineer (RE).

## Limitations

- Limit the drainage area upstream of the barrier to 2 ha (5 ac).
- Degraded sandbags may rupture when removed, spilling sand.
- Installation can be labor intensive.
- Limited durability for long term projects.
- When used to detain concentrated flows, maintenance requirements increase.

## Standards and Specifications

### Materials

- **Sandbag Material:** Sandbag shall be woven polypropylene, polyethylene or polyamide fabric, minimum unit weight 135 g/m<sup>2</sup> (four ounces per square yard), mullen burst strength exceeding 2,070 kPa (300 psi) in conformance with the requirements in ASTM designation D3786, and ultraviolet stability exceeding 70 percent in conformance with the requirements in ASTM designation D4355. Use of burlap is not acceptable.
- **Sandbag Size:** Each sand-filled bag shall have a length of 450 mm (18 in), width of 300 mm (12 in), thickness of 75 mm (3 in), and mass of approximately 15 kg (33 lb.). Bag dimensions are nominal, and may vary based on locally available materials. Alternative bag sizes shall be submitted to the Resident Engineer (RE) for approval prior to deployment.
- **Fill Material:** All sandbag fill material shall be non-cohesive, Class 1 or Class 2 permeable material free from clay and deleterious material, conforming to the provisions in Section 68-1.025 "Permeable Material," of

the Standard Specifications. The requirements for the Durability Index and Sand Equivalent do not apply. Fill material is subject to approval by the RE.

## **Installation**

- When used as a linear control for sediment removal:
  - Install along a level contour.
  - Turn ends of sandbag row up slope to prevent flow around the ends.
  - Generally, sandbag barriers shall be used in conjunction with temporary soil stabilization controls up slope to provide effective control.
  - Install as shown in Page 4 of this BMP.
- When used for concentrated flows:
  - Stack sandbags to required height using a pyramid approach as shown in Page 4 of this BMP.
  - Upper rows of sandbags shall overlap joints in lower rows.
- Construct sandbag barriers with a set-back of at least 1m from the toe of a slope. Where it is determined to be not practicable due to specific site conditions, the sandbag barrier may be constructed at the toe of the slope, but shall be constructed as far from the toe of the slope as practicable.

## **Maintenance and Inspection**

- Inspect sandbag barriers before and after each rainfall event, and weekly throughout the rainy season.
- Reshape or replace sandbags as needed, or as directed by the RE.
- Repair washouts or other damages as needed, or as directed by the RE.
- Inspect sandbag barriers for sediment accumulations and remove sediments when accumulation reaches one-third the barrier height. Removed sediment shall be incorporated in the project at locations designated by the RE or disposed of outside the highway right-of-way in conformance with the Standard Specifications.
- Remove sandbags when no longer needed. Remove sediment accumulation, and clean, re-grade, and stabilized the area.

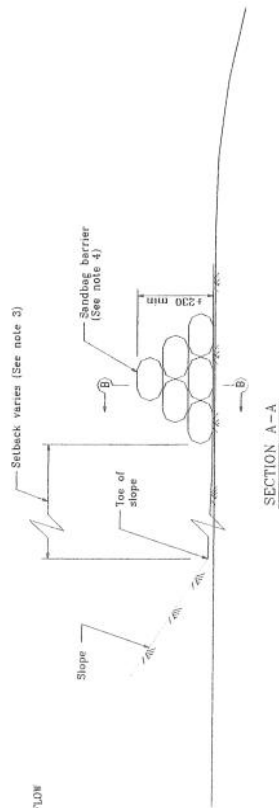
# Sandbag Barrier

**SC-8**



LEGEND

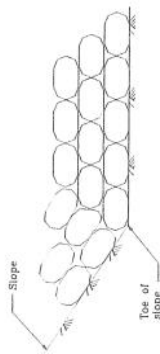
DIRECTION OF FLOW



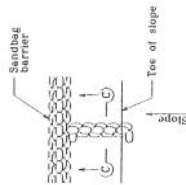
SECTION A-A



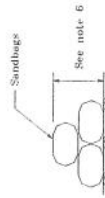
SECTION B-B



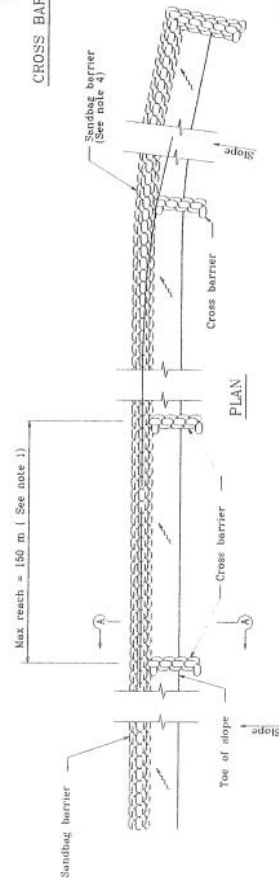
END DETAIL



CROSS BARRIER DETAIL



SECTION C-C



PLAN

## NOTES

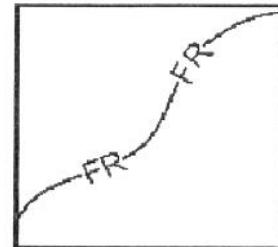
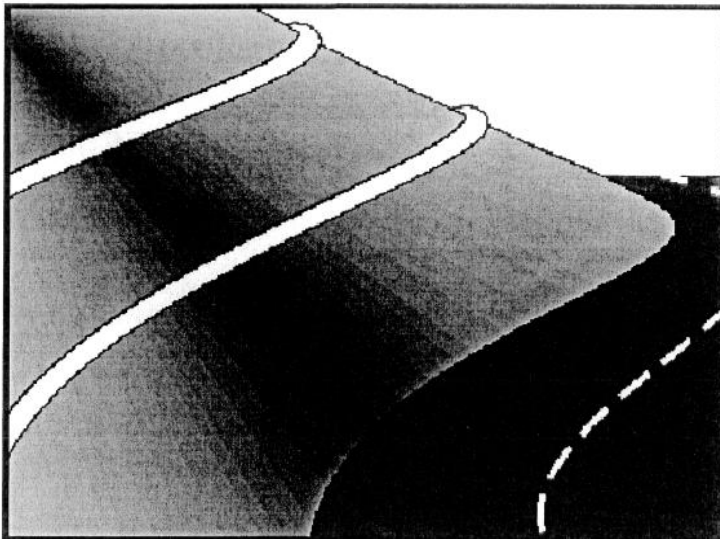
1. Construct the length of each reach so that the change in base elevation along the reach does not exceed  $1/2$  the height of the linear barrier. In no case shall the reach length exceed 150 m.
2. Place sandbags tightly.
3. Dimensions may vary to fit field condition.
4. Sandbag barrier shall be a minimum of 3 bags high.
5. The end of the barrier shall be turned up slope.
6. Cross barriers shall be a min of  $1/2$  and a max of  $2/3$  the height of the linear barrier.
7. Sandbag rows and layers shall be staggered to eliminate gaps.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
TEMPORARY LINEAR SEDIMENT BARRIER  
(TYPE SANDBAG)

NO SCALE  
ALL DIMENSIONS ARE IN  
MILLIMETERS UNLESS OTHERWISE SHOWN







### BMP Objectives

- Soil Stabilization
- Sediment Control
- Tracking Control
- Wind Erosion Control
- Non-Storm Water Management
- Materials and Waste Management

**Definition and Purpose** A fiber roll consists of straw, flax, or other similar materials that are rolled and bound into a tight tubular roll and placed on the face of slopes at regular intervals to intercept runoff, reduce its flow velocity, release the runoff as sheet flow, and provide some removal of sediment from the runoff.

### Appropriate Applications

- • May be used along the top, face, and at grade breaks of exposed and erodible slopes to shorten slope length and spread runoff as sheet flow.
- • Fiber rolls may be used as check dams if approved by the Resident Engineer (RE).
- • This BMP may be implemented on a project-by-project basis with other BMPs when determined necessary and feasible by the RE.

### Limitations

- • Is a relatively new sediment control/soil stabilization technology. Effectiveness and capabilities in the field are not completely known.
- • Although fiber rolls provide some sediment removal, this BMP is not to be used in place of a linear sediment barrier (i.e., a silt fence, sandbag barrier, or straw bale barrier).

### Standards and Specifications

#### *Fiber Roll Materials*

- • Fiber rolls shall be either:
  - (1) prefabricated rolls; or,
  - (2) rolled tubes of erosion control blanket.

## *Assembly of Field Rolled Fiber Roll*

- • Roll length of erosion control blanket into a tube of minimum 200 mm (8 in) diameter.
- • Bind roll at each end and every 1.2 m (4 ft) along length of roll with jute-type twine.

## *Installation*

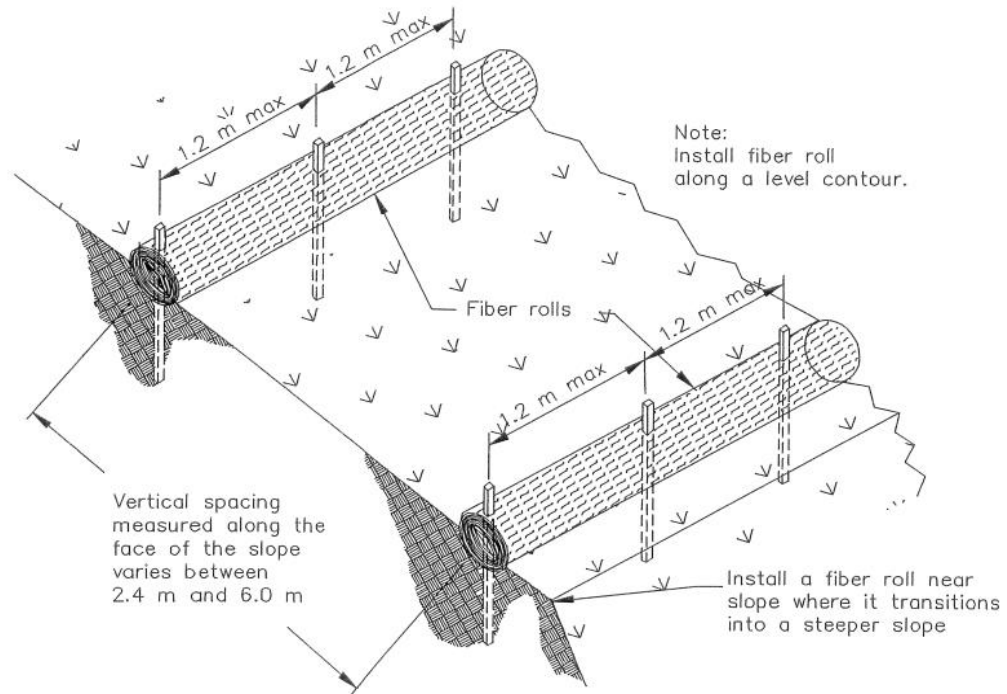
- • Locate fiber rolls on level contours spaced 2.4 to 6.0 m (8 to 20 ft) along the face of slope, or as required by the RE.
- • Stake fiber rolls into a 50 to 100 mm (2 to 4 in) trench.
- • Drive stakes at the end of each fiber roll and spaced 1.2 m (4 ft) maximum on center.
- • Use wood stakes with a nominal classification of 19 by 19 mm (3/4 by 3/4 in), and minimum length of 600mm (24 in).
- • If more than one fiber roll is placed in a row, the rolls shall be butted; not overlapped.

## *Removal*

- • Fiber rolls are typically left in place.
- • If fiber rolls are removed, collect and dispose of sediment accumulation, and fill and compact holes, trenches, depressions or any other ground disturbance to blend with adjacent ground.

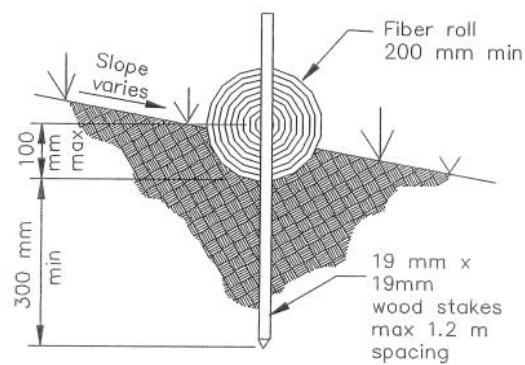
## Maintenance and Inspection

- • Repair or replace split, torn, unraveling, or slumping fiber rolls.
- • Inspect fiber rolls when rain is forecast. Perform maintenance as needed or as required by the RE.
- • Inspect fiber rolls following rainfall events and at least daily during prolonged rainfall. Perform maintenance as needed or as required by the RE.



TYPICAL FIBER ROLL INSTALLATION

N.T.S.



ENTRENCHMENT DETAIL

N.T.S.

# T-Mobile®

DEL DIOS HIGHWAY  
8901 DEL DIOS HIGHWAY  
RANCHO SANTA FE, CA 92067  
SD06758-B

## VICINITY MAP



THOMAS GUIDE PAGE 1148, E7  
ADDRESS  
8901 DEL DIOS HIGHWAY  
SAN DIEGO, CA 92067  
COORDINATES (NAD 83)  
EASTING: 117,000.00  
NORTHING: 117,000.00  
EASTING: 117,000.00  
NORTHING: 117,000.00

## ACCESSIBILITY DISCLAIMER

THIS PROJECT IS AN UNOCCUPIED WIRELESS PCS TELECOMMUNICATIONS FACILITY AND, ACCORDING TO WRITTEN ACCESSIBILITY REQUIREMENTS, IT IS NOT REQUIRED TO BE ACCESSIBLE TO PEOPLE WITH PHYSICAL DISABILITIES. ACCESS REQUIREMENTS, IF EXEMPT FROM DISABLED ACCESS REQUIREMENTS.

## CONSULTANT TEAM

ARCHITECT:  
BOOTH STAREZ & ASSOCIATES, INC.  
ARCHITECTURE & PLANNING  
P.O. BOX 4651  
SAN DIEGO, CA 92161  
(619) 594-4316  
(760) 434-8474  
(760) 434-8888 (FAX)

ELECTRICAL CONSULTANT:  
WALTER R. CAMP, ELECTRICAL ENGINEER, PE  
WALTER R. CAMP & ASSOCIATES, INC.  
CHULA VISTA, CA 91913  
(619) 594-4316  
(619) 594-4316 (FAX)

SURVEYOR:  
HESCH & COMPANY  
4449 BURNER ROAD  
SAN DIEGO, CA 92123  
(619) 594-4316  
(619) 594-4316

VAULT MANUFACTURER:  
BOCKMAY PRECAST  
3800 MARLBOROUGH STREET  
SAN DIEGO, CA 92108  
(619) 594-4316  
(619) 594-4316  
CONTACT: LEE BARNER

## PROJECT SUMMARY

APPLICANT: T-MOBILE CALIF. LLC  
10180 TELESIS COURT, SUITE 333  
SAN DIEGO, CA 92121  
PHONE: (619) 334-4118

OWNER: COUNTY OF SAN DIEGO  
5555 OVERLAND AVENUE  
SAN DIEGO, CA 92121  
(619) 334-4118  
(619) 334-4118 (FAX)

DEVELOPMENT SUMMARY:  
• INSTALLATION OF A 6'-2" x 17'-2" CONTROLLED ENVIRONMENT UNDERGROUND VAULT FOR TELECOMMUNICATIONS EQUIPMENT  
• INSTALLATION OF TWO ANTENNA SECTORS OF (1) ANTENNA SECTOR AND (2) ANTENNA SECTOR MOUNTED ON A NEW 40'-0" HIGH WOOD UTILITY POLE  
• INSTALLATION OF NEW 200 AMP ELECTRICAL SERVICE  
• PROVIDE NEW TIE-TO SERVICE CONNECTION  
• NO LANDSCAPE OR IRRIGATION IS PLANNED FOR THIS PROJECT.

LEGAL DESCRIPTION:  
CITY OF SAN DIEGO STREET RIGHT-OF-WAY ON THE SOUTH SIDE OF DEL DIOS HIGHWAY, EAST OF CAMINO DE ESTRELLAS

PROJECT ADDRESS: 8901 DEL DIOS HIGHWAY  
SAN DIEGO, CA 92067

ASSESSORS' PARCEL NUMBER: ADJACENT PROPERTY (619-421-03)

PROPOSED PROJECT AREA: 185 SQ. FT.

PROPOSED LEASE AREA: 230 SQ. FT.

PROPOSED USE: #

## SHEET SCHEDULE

T-1 TITLE SHEET AND PROJECT DATA  
A-0 SITE PLAN AND GENERAL SPECIFICATIONS  
A-1 ENLARGED SITE & EQUIPMENT PLANS  
A-2 EXTERIOR ELEVATIONS & DETAILS  
A-3 VAULT INTERIOR & EXTERIOR ELEVATIONS  
C-1 SURVEY

## EMERGENCY POWER

THE INSTALLATION OF ANY ADDITIONAL STANDBY OR BACKUP GENERATION IS PROHIBITED WITHOUT A MODIFICATION OF THIS USE PERMIT.

## APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:  
CALIFORNIA STATE BUILDING CODE, TITLE 24, 2001 EDITION  
UNIFORM BUILDING CODE, 2001 EDITION  
UNIFORM FIRE PREVENTION CODE, 2001 EDITION  
UNIFORM MECHANICAL CODE, 2001 EDITION  
NATIONAL ELECTRICAL CODE, 2001 EDITION  
IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.

BOOTH  
STAREZ &  
ASSOCIATES, INC.  
ARCHITECTURE & PLANNING  
10180 TELESIS COURT, SUITE 333  
SAN DIEGO, CA 92121  
(619) 334-4118  
(619) 334-4118 (FAX)



PREPARED FOR

T-Mobile®

10180 TELESIS COURT, SUITE 333  
SAN DIEGO, CA 92121

## APPROVALS

DATE	DATE	DATE	DATE
R.E.	DATE	DATE	DATE
DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE

## PROJECT NAME

DEL DIOS  
HIGHWAY  
PROJECT NUMBER  
SD06758-B  
DEL DIOS HIGHWAY  
RANCHO SANTA FE, CA 92067  
SAN DIEGO COUNTY

## DRAWING DATES

05/14/06 FIELD 2D REVIEW (JH)  
05/14/06 FINAL 2D REVIEW (JH)  
05/14/06 REVISED 2D (JH)  
05/14/06 REVISIONS (JH)  
05/14/06 PLANNING SUBMITTAL (JH)

## SHEET TITLE

TITLE SHEET  
&  
PROJECT DATA

PROJECTS: \\msb001\project\SD06758-B

T-1

PREPARED FOR

T-Mobile.®

10180 TELESIS COURT, SUITE 333  
SAN DIEGO, CA 92121

### APPROVALS

DATE	DATE
DATE	DATE
DATE	DATE
DATE	DATE
DATE	DATE

PROJECT NAME	DATE	TIME	LOCATION	STATUS	REMARKS
1. Project A	2023-10-26	10:00	Site A	Completed	Final inspection passed.
2. Project B	2023-10-27	14:30	Site B	In Progress	Minor delays due to weather.
3. Project C	2023-10-28	09:15	Site C	On Hold	Awaiting client approval.
4. Project D	2023-10-29	11:45	Site D	Completed	Client satisfied with results.
5. Project E	2023-10-30	13:20	Site E	In Progress	Equipment breakdown, rescheduled.
6. Project F	2023-10-31	10:30	Site F	Completed	Final report submitted.
7. Project G	2023-11-01	15:00	Site G	In Progress	Good progress, on schedule.
8. Project H	2023-11-02	08:45	Site H	On Hold	Waiting for materials delivery.
9. Project I	2023-11-03	12:10	Site I	Completed	Successful outcome, client happy.
10. Project J	2023-11-04	14:00	Site J	In Progress	Minor issues, being resolved.
11. Project K	2023-11-05	09:30	Site K	On Hold	Client on vacation, paused.
12. Project L	2023-11-06	11:00	Site L	Completed	Exceeded expectations.
13. Project M	2023-11-07	13:45	Site M	In Progress	Steady progress, no issues.
14. Project N	2023-11-08	10:15	Site N	On Hold	Weather conditions, postponed.
15. Project O	2023-11-09	14:30	Site O	Completed	Final review completed.
16. Project P	2023-11-10	09:00	Site P	In Progress	Good communication with client.
17. Project Q	2023-11-11	12:45	Site Q	On Hold	Waiting for budget approval.
18. Project R	2023-11-12	15:15	Site R	Completed	Client praised the team's effort.
19. Project S	2023-11-13	08:30	Site S	In Progress	Minor setbacks, staying positive.
20. Project T	2023-11-14	11:30	Site T	On Hold	Client needs more time to decide.
21. Project U	2023-11-15	13:00	Site U	Completed	Project wrapped up successfully.
22. Project V	2023-11-16	10:45	Site V	In Progress	Consistent progress, on track.
23. Project W	2023-11-17	14:15	Site W	On Hold	Waiting for external vendor.
24. Project X	2023-11-18	09:45	Site X	Completed	Client very satisfied.
25. Project Y	2023-11-19	12:00	Site Y	In Progress	Good teamwork, progress visible.
26. Project Z	2023-11-20	15:30	Site Z	On Hold	Client on leave, paused.
27. Project AA	2023-11-21	08:15	Site AA	Completed	Final deliverables submitted.
28. Project AB	2023-11-22	11:45	Site AB	In Progress	Minor adjustments being made.
29. Project AC	2023-11-23	14:00	Site AC	On Hold	Waiting for client feedback.
30. Project AD	2023-11-24	09:30	Site AD	Completed	Project closed, all goals met.
31. Project AE	2023-11-25	12:15	Site AE	In Progress	Good progress, staying on schedule.
32. Project AF	2023-11-26	15:45	Site AF	On Hold	Client needs more information.
33. Project AG	2023-11-27	08:45	Site AG	Completed	Client happy with the outcome.
34. Project AH	2023-11-28	11:00	Site AH	In Progress	Minor issues, being resolved.
35. Project AI	2023-11-29	13:30	Site AI	On Hold	Waiting for client decision.
36. Project AJ	2023-11-30	10:00	Site AJ	Completed	Final report and documents.
37. Project AK	2023-12-01	14:45	Site AK	In Progress	Good progress, on track.
38. Project AL	2023-12-02	09:15	Site AL	On Hold	Waiting for client approval.
39. Project AM	2023-12-03	12:30	Site AM	Completed	Client very satisfied.
40. Project AN	2023-12-04	15:00	Site AN	In Progress	Minor setbacks, staying positive.
41. Project AO	2023-12-05	08:30	Site AO	On Hold	Client on vacation, paused.
42. Project AP	2023-12-06	11:15	Site AP	Completed	Exceeded expectations.
43. Project AQ	2023-12-07	13:45	Site AQ	In Progress	Steady progress, no issues.
44. Project AR	2023-12-08	10:15	Site AR	On Hold	Weather conditions, postponed.
45. Project AS	2023-12-09	14:30	Site AS	Completed	Final review completed.
46. Project AT	2023-12-10	09:00	Site AT	In Progress	Good communication with client.
47. Project AU	2023-12-11	12:45	Site AU	On Hold	Waiting for budget approval.
48. Project AV	2023-12-12	15:15	Site AV	Completed	Client praised the team's effort.
49. Project AW	2023-12-13	08:30	Site AW	In Progress	Minor setbacks, staying positive.
50. Project AX	2023-12-14	11:30	Site AX	On Hold	Client needs more time to decide.
51. Project AY	2023-12-15	13:00	Site AY	Completed	Project wrapped up successfully.
52. Project AZ	2023-12-16	10:45	Site AZ	In Progress	Consistent progress, on track.
53. Project BA	2023-12-17	14:15	Site BA	On Hold	Waiting for external vendor.
54. Project BB	2023-12-18	09:45	Site BB	Completed	Client very satisfied.
55. Project BC	2023-12-19	12:00	Site BC	In Progress	Good teamwork, progress visible.
56. Project BD	2023-12-20	15:30	Site BD	On Hold	Client on leave, paused.
57. Project BE	2023-12-21	08:15	Site BE	Completed	Final deliverables submitted.

**DEL DIOS  
HIGHWAY**  
PROJECT NUMBER  
**SD06758-B**  
DEL DIOS HIGHWAY  
HO SANTA FE, CA 92067  
SAN DIEGO COUNTY

## DRAWING DATES

DRAWING DATES	
03/13/06	PRELIM 2D REVIEW (al)
03/21/06	FINAL 2D REVIEW (al)
04/04/06	REVISED FINAL 2D (rad)
05/26/06	NAME CHANGE (al)

SWEET TMS

SITE PLAN

## GENERAL SPECIFICATIONS

PROJECT:\t-m-11a\052022\052022-10.DWG

A-O

## GENERAL SPECIFICATIONS

- [illegible]

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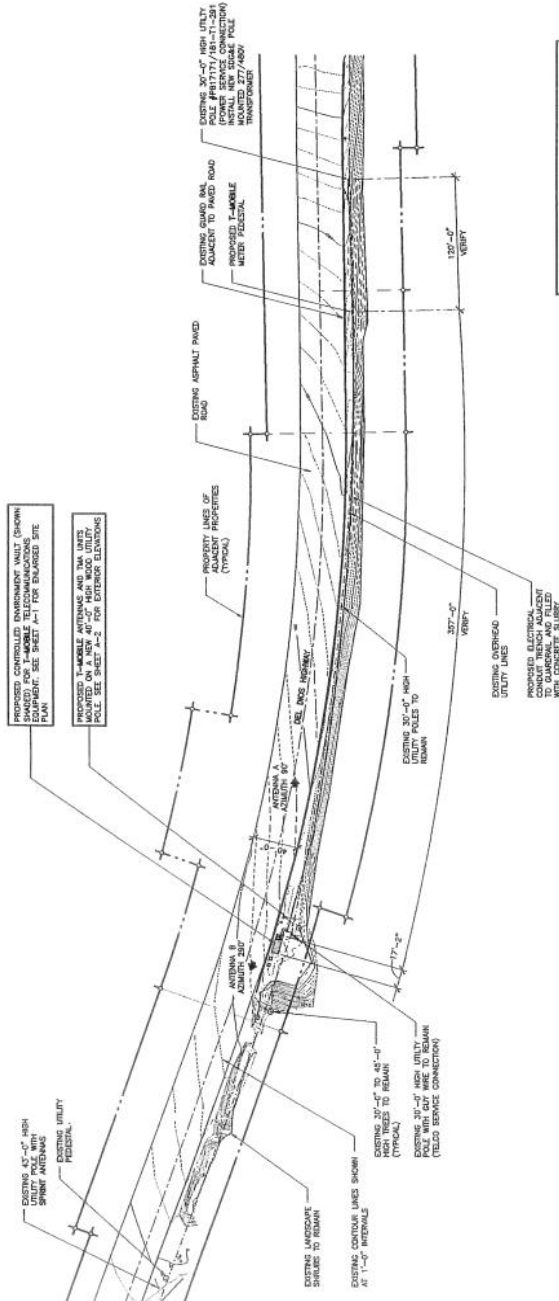
PROPRIETARY INFORMATION

THE INFORMATION CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS IS PROPRIETARY BY NATURE. ANY USE OR DISCLOSURE OTHER THAN THAT

ANTENNA AND COAXIAL CABLE SCHEDULE									
SECTOR	DIRECTION	ANTENNA	ANTENNA MODEL NUMBER	FOOT/CABLE	SERIAL NUMBER	NUMBER OF CABLES PER ANTENNA	TOTAL CABLE LENGTH (FT)	JUMPER LENGTH (FT)	COAX SIZE
A1	N30E	507	DAE 5065-10-1000	17	N/A	4	55'-0"	7'-6"	7/8"
A2	EAST	507	DAE 5065-10-1000	17	N/A	4	55'-0"	7'-6"	7/8"
A2	EAST	2907	DAE 2906-10-1000	17	N/A	2	55'-0"	7'-6"	7/8"
	SWR		KORBERN 00-0000/0001/0002/0004			2	55'-0"	1'-2"	1/2"

NOTES: 1. FIELD VERIFY ALL CABLE IDENTIFIERS PRIOR TO ORDERING CABLE

1. FIELD VERIFY ALL CABLE LENGTHS PRIOR TO UNLOADING CABLE.



**THIRD PARTY INSPECTION:**

THE GENERAL CONTRACTOR SHALL ARRANGE FOR AND PROVIDE INDEPENDENT THIRD PARTY INSPECTION THROUGHOUT CONSTRUCTION OF THIS PROJECT. THE THIRD PARTY INSPECTOR SHALL BE APPROVED IN WRITING BY THE T-MOBILE CONSTRUCTION MANAGER PRIOR TO BEGINNING CONSTRUCTION. THE DETAILS AND LOGISTICS FOR THE PREPARATION AND DELIVERY OF DAILY REPORTS SHALL BE COORDINATED WITH THE T-MOBILE CONSTRUCTION MANAGER.

1

1850-1990 MHz BAND WIDTH  
400 WATTS FWD INTER SECTOR

## Discussion

COUNTY OF SAN DIEGO CONTROL STATION "MORRO ECC"  
ELEVATION 815.00' MEAN SEA LEVEL N.G.V.D. 1928

## CONCURRENCY NOTED:

THE PROJECT BOUNDARY SHOWN ON THIS DRAWING IS APPROXIMATE AND IS SHOWN FOR GENERAL REFERENCE ONLY. A BOUNDARY SURVEY WILL BE REQUIRED.

**NOTE:**

LANDSCAPE BRIGADIER DISTRICT  
(760) 435-5033  
PUBLIC WORKS, TRAFFIC & LIGHTING  
(760) 435-5109

REMOVE DMC-ALERT MARKINGS:  
FOR GENERAL CONSTRUCTION SUB

DIG-ALERT MARKINGS MADE FOR THIS PROJECT (PRESSURE WASH) AT COMPLETION OF WORK.

## SITE PLAN

CASE 1-93-07

CONCLUSIONS

EXISTING CABLE TELECOMMUNICATIONS

EXISTING GAS LINE

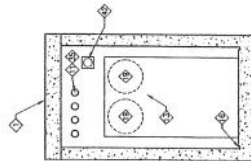
EXISTING TELEPHONE LINE

EXISTING WATER LINE









C-1



**HIRSCH & COMPANY**  
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